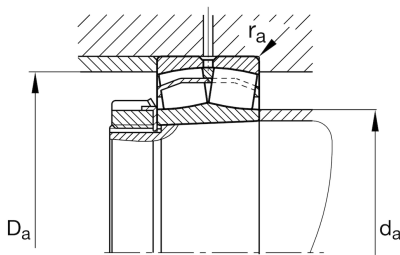
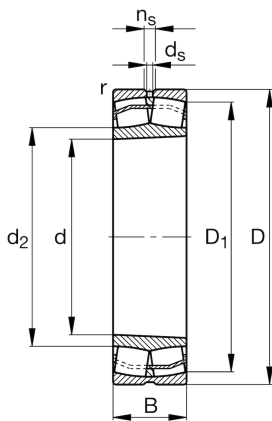
**22228-E1-XL-K**

Spherical roller bearing

Schaeffler ID:
0167045840000Spherical roller bearings 222...-E1-K, main
dimensions to DIN 635-2, with tapered
bore, taper 1:12

Technical information

**Additional information**

H3128	Adapter sleeve
AHX3128	Withdrawal sleeve
13,688 kg	Weight

Main Dimensions & Performance Data

d	140 mm	Bore diameter
D	250 mm	Outside diameter
B	68 mm	Width
C _r	870.000 N	Basic dynamic load rating, radial
C _{0r}	1.040.000 N	Basic static load rating, radial
C _{ur}	100.000 N	Fatigue load limit, radial
n _G	3.150 1/min	Limiting speed
n _{gr}	2.250 1/min	Reference speed

Dimensions

r _{min}	3 mm	Minimum chamfer dimension
D ₁	223,1 mm	Bore diameter outer ring
d ₂	164,9 mm	Raceway diameter of the inner ring
d _s	6,3 mm	Diameter lubrication hole
n _s	12,2 mm	Width of lubricating groove

Mounting dimensions

d _{a min}	154 mm	Minimum diameter shaft shoulder
d _{a max}	164 mm	Maximum diameter of shaft shoulder
D _{a max}	236 mm	Maximum diameter of housing shoulder
r _{a max}	2,5 mm	Maximum recess radius
d _{b min}	149 mm	Minimum cavity diameter of the sleeve
B _{a min}	8 mm	Minimum cavity width of the sleeve

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	200 °C	Operating temperature max.

Calculation factors

e	0,25	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,67	Dynamic axial load factor
Y_2	3,97	Dynamic axial load factor
Y_0	2,61	Static axial load factor